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By
Thanthuama, B A., B.T.
Council Education Officer.



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1963

THUHMAHRUAI

Tun hma lam zawng kha chuan Primary zirlai atân Chhiarkawp Bu pathum (Bu khatna, Bu hnihna, Bu thumna) chauh kan nei a Amaherawhchu Kumina Text Book Committee chuan ṭha tâwk lovin a hria a Pawl hrang hrang tân bu hrang ṭheuh zel, (inhman ṭawm tawh lova) buatsaih tûra min tirh angin ka han siam ṭan a. Zirtîrtu leh naupangte tân pawh a remchân sâwk hle tawh ka beisei

Tuna mi hi a ṭan tirhna a nih avângin a ṭha tâwk lovin a famkim tâwk lo pawh a ni mai thei a, chuvângin tupawhin a ṭhat zâwkna dân tûr rawtna te min han neihpui theih chuan mi han hriattîr thei ula ka lâwm ngawt ang

He Chhiarkawp Bu Khatna hi Zo ram zirnaiin hmasâwn zôl nâna a ṭangkaipui ka beisei

Dated Aijal.
The 7th October, 1963.

Thanṭhuama
Education Officer
Mizo District Council.

SYLLABUS.

Class I — Chhiarkawp bu khatna a pumia. Number 10,000 thlenga ziak leh chhiar leh a awmzia hriat chiantîr tûr a ni. Figure 1—1,000 thleng hmangin belh paih, puntir leh sem tihtir tûr a ni

Tangka Tangka belh, paih, puntir, leh sem tihtir tûr a ni

Hmun 16×10 thlenga zirtîr tûr a ni. Rilru chhiarkawp 100 thlengin belh, paih, puntîr leh sem tihtir tur.

BUNG I

BELH

Number hman dân chu naupangten pâwl hniam lamah an lo hre mial nual tawh a Number hian zâwkte hman dân leh an en tûrte chu chiang taka an hriat fiah theihna tûrin chûng number te leh chhinchhiahnate chu fimkhur takin kan zirtîr tûr a ni.

Entîrna — Number te chu a indawt dân taka kan ziak thiam theih nân entîrna ang hian tih fo tûr a ni = 425, 264, 43, 123 hi belh ta ila.

Number hrang hrangte chu kan belh dâwn chuan entîrnaa mi ang hian "pa" hmuna mi te, "sawm" hmuna mi te, "za" hmuna mi te chu inzâwn theuhvin kan dah tûr a ni

Z	S	P
	•	
4	2	5
2	6	4
	4	3
1	2	3
8	5	5

Tichuan "pa" zâwna mi zawng zawng chu kan belh ang a, 5+4+3+3=15 a ni a, "pa" hmuna mi 5 hi "pa" hmunah kan dah ang a, sâwm hmuna mi "1" (sawm khat) hi kalpui a ni (Sâwm hmun chung lama figure tê bika kan dah ang khian) Sâwm hmuna mi hi kan belh leh hunah kan belh tel ang Tichuan sâwm hmuna mi zawng chu 1+2+6+4+2

=15 a lo ni ang Tichuan "5" khi "sawm" hmunah kan dah ang a, "1" leh hi chu kalpui a ni leh ang. Chutiang zêlin "za" hmunna mi chu kalpui nên kan belh leh ang a, 1+4+2+1=8 a le ni ang Tichuan a chhuak chu 855 a lo ni ang. Number engzât pawh belh dâwn ila hetiang zel hian a kal ang.

TIHTUR 1

A

Belh rawh —

1.	13	2	72	3	73	4	84
	24		85		97		17
	30		90		16		52
	14		36		68		78
5	57	6.	27	7	21	8	96
	46		72		53		81
	93		18		38		45
	16		19		73		78
9.	20	10.	39	11	54	12	89
	38		29		90		24
	47		72		71		74
	93		45		29		93
			13		36		35

13	28	14.	59	15	25	16.	45
	77		88		27		17
	50		17		48		18
	33		26		16		13
	86		28		36		14
17	68	18	45	19	62	20	42
	39		58		87		24
	74		34		49		85
	56		22		36		48
	23		67		55		34
21.	65	22.	43	23	68	24.	56
	89		22		24		49
	38		85		42		17
	76		74		25		21
	45		69		28		36

AW

1.	452	2	374	3	418	4	519
	378		516		372		327
	117		93		205		102
5.	135	6.	384	7	527	8	373
	489		253		123		259
	329		169		99		121

9.	253	10.	374	11.	456	12	129
	149		289		217		297
	517		132		309		531
13.	229	14.	384	15.	392	16.	18
	347		47		324		109
	199		318		109		310
17.	256	18	196	19.	432	20.	167
	313		97		256		259
	99		308		139		381
21	455	22.	439	23.	253	24.	99
	366		87		514		107
	199		108		109		713

B

Figure-in ziak rawh

1. Za leh sâwm.
2. Zahnih leh sawmthum leh pali.
3. Zali leh sawmli leh pali.
4. Zaruk leh sawmnga leh pali
5. Zathum leh sawmriat leh pakua.
6. Zanga leh sawmli leh paruk.
7. Zasarih leh panga.
8. Zakua leh sawmli leh pariat.
9. Zariat leh sawm leh pahnih.
10. Sângkhat leh zahnih leh sawmthum.
11. A thuin ziak rawh :—

85, 95, 101, 230, 375, 740, 879, 986, 859, 1242.

1. 68 ah hian 25 belh rawh.

2. 45 leh 60 hi engzâtnge ?

3 75 ah hian 27 belh rawh

4. Sawmhnih leh pakhat leh sawmli leh pathum hi engzâtnge ?

5 Sawmsarih leh pasarih-ah hian sawmnga leh pali belh la, engzâtnge ni ang ?

6 Sâwm leh pahnih, za leh sâwm leh panga, sawmthum leh paruk te hi belh rawh.

7. 62 leh 28 leh 32 leh 30 belh khâwm hi engzâtnge ?

8. 70 ah hian 40 belh la, tin, 25 belh leh la, engzâtnge tling ang ?

9. Zanga leh sawmthum leh paruk leh 274 belh hi engzâtnge ?

10. 300 leh 495 leh 21 belhkhâwm hi engzâtnge tling ang ?

BUNG II

PAIH



Paih awmzia A chhaka square khi kan han chhiar chuan squares paruk a awm tih chu kah hro ngbâl arg a, kbita squares 6 atang khian square 2 khi paih kan duh a, chu mi paih kan duh square-te chu lo thai hâng ila, a bâng chu han chhiar ila, squares 4 a la awm tih kan hmu ang a Hei hi figure-in kan entîr thin — 6—2=4

Paih hi thil intam hleizia hriatna a ni bawk

Paih dân entirna (a) Paih mâwl :—

S P
4 5 P
2 4 —
2 1 S 

Ô atanga 4 kan paih chuan (P square khi en la) 1 chauh a bâng ang, 5—4=1 Tin, (sâwm hi) 4 atangin (sâwm hi) 2 kan paih leh ang a, (S square khi en leh la) 2 chauh a bâng ang, 4—2=2. Tûnah hian kei hi kan lo ti ta a ni — Sawmli

leh panga (45) atangin sawmbnih leh pali (24) kan paih a, a bâng chu sawmbnih leh pakhat (21) a lo ni 21 chu a dikna a lo ni ta a ni.

(b) Paih pûk dân 1-na

Z S P
4 3 8—
2 1 9
2 1 9

Hei hi chu paih mâwl anga tih ve mai theih a ni lo va, tih dân dang deuh an hmang thin.

Hetiangin — (a chhaka figure khi en ila) 8 atangin 9 a paih theih loh tih kan hre theuh ang a Chuvângin sâwm bi 3 atang khian sâwm bi 1 kan pûk a, tichuan 8 awm sa nên chuan 18 a lo ni a, chuta tanga 9 kan paih chuan 9 a la bâng ang— 18—9=9 Tin, sâwm bi 3 atanga sâwm hi kan pûk avâng khân sâwm bi 2 a lo ni tawh a, 2—1 =1 (sâwm bi 1 kan pûk hêk avâng khân 2 atanga 1 paih ang kan lo ni ta a nih chu)

Tin, za bia 4 atang khian za bi 2 khi kan paih leh a, hetiangin — 4—2 =2 a la bâng a Chutichuan 438 atanga 219 kan lo paih chuan, 219 a la bâng tih kan lo hre the. ta a ni.

(c) Paih pûk dân 2-na —

Z	S	P
8	9	0—
7	3	9
1	5	1

Hei hi paih dân chi hrang ve rêng a ni a, heti hian an ti ṭhîn :—

Tûnah "pa" (p) zâwnah kan paih tûr 9 hi 0 atang khian a paih theih loh va, chuvângin 10 kan han belh ringawt a, tichuan 10 atanga 9 paih chu (10—9)=1 a lo ni a. Amaherawhchu a chung zâwk 10 kan belh avâng khân a hnuai zâwk sâwm bi hmun (kan paih leh tûrah) 10 belh leh ve ngei tûr a ni Tichuan sâwm (S) hmuna 1 leh sâwm (S) hmuna 3 chu sâwm hlir 4 a lo ni a, 9 atanga 4 paih chu (9-4)=5 a lo ni a, tin, 8 atanga 7 kan paih chuan 1 a lo awm a ni.

Paih rêng rêng hi a dik lek dik loh i hriat duh chuan, a dikna leh a hnuai zâwk (paih tûra zâwk) kha belh la, a chung zâwk (a paihtu zâwk) zât chiah kha (i paih dik chuan) a lo chhuak ang.

TIHTUR 2

A

Paih rawh :—

1.	84	7	70	13	77	19.	871
	62		29		43		257
2.	99	8.	83	14.	91	20.	761
	77		45		98		247
3	69	9	44	15.	85	21.	240
	51		28		17		18
4	34	10	96	16.	88	22.	166
	17		73		33		139
5.	86	11.	99	17.	65	23.	752
	59		45		28		239
6.	92	12.	72	18	76	24	631
	55		48		69		408

AW

Paih rawh —

1.	127— 62	21	202— 123
2	159— 92	22	310— 579
3.	100— 71	23	560— 242
4	112— 68	24	946— 748
5.	101— 97	25	1234— 567
6.	382—272	26.	1010— 99
7	546—338	27	1060— 179
8.	300—171	28	604— 564
9.	204— 48	29	1000— 27
10	500—402	30	712— 193
11.	607—179	31.	921— 899
12	908—127	32	623— 234
13.	550—258	33.	738— 245
14.	600—327	34.	900— 899
15	635—591	35.	589— 377
16.	591—268	36.	1117— 900
17	624—156	37.	1333—1245
18.	870—456	38.	1234— 567
19.	947—848	39.	1098— 729
20	204—164	40.	1900— 899

B

Eng number nge tul?

(1) 62— ? = 17
(2) 769— ? =144
(3) ? — 238 =196
(4) 780— ? =123
(5) ? —502=139
(6) 445— ? = 15
(7) 880— ? =191
(8) 678— ? =444
(9) 1020— ? =100
(10) ? —19=2100

CH

1. 392 atarg hian 293 paih rawh
2. 1500 atarg hian 780 paih la, engzâtnge la lâng ang?
3. Zali leh sawnhnih leh patlum atarg hian zathum leh sâwm paih rawh.
4. 972 atang hian zeriat leh sâwm leh pasarih pahi la, engzâtnge la lâng âug?
5. 856 atarg hian 656 paih la, a la hârg atang chuan 100 paih leh rawh
6. Saihlum 250 ka nei a, 75 ka paih a, engzâtnge ka la neih?
7. Zesarih leh panga atang hian zahnih leh sâwm paih rawh.
8. Sârgkhat leh za leh sâwm leh panga atang hian sâng khat leh za paih rawh.
9. Sârgkhat atang hian 425 paih la, tin, 75 paih leh la, engzâtnge la lâng ang?

BUNG III.

PUNTÎR

Number thuhmun engemaw zât tam lam hmuhchhuahna emaw, number pakhat ringawt, a vawi eng anga tam emaw, tam lam hmuhchhuahna awlsam ber chu "PUNTÎR" kan ti thin. He mi chhinchhiahna '×' hi number pahnih inkâra a awm chuan, chu number "vawi" emaw, hmun emaw zât (time) chhinchhiahna a ni a, chûng number chu puntir tûr tihna a ni. Tichuan 2×3=6 tih chu, 2 vawi 3 chu 6 a ni, tihna a ni.

Tin, 6 hlir vawi 8 belh ta ila, 6+6+6+6+6+6+6+6=48 a ni. Amaherawhchu puntir dân kan zir a, hmun kan lo hriat tawh chuan, 6 hlir vawi 8 ziak chhuah ai chuan dân awlsam zâwkin puntir dânin kan ti thei: 6×8=48. Tichuan "Puntir" awmzia chu "belh kaihtawi" kan ti thei ang. He mi dân ang hian number lian tak tak hmun lanah chu awl takin kan tichhuak thei a ni.

2	3	4	5	6	7	8	9
1— 2	1— 3	1— 4	1— 5	1— 6	1— 7	1— 8	1— 9
2— 4	2— 6	2— 8	2—10	2—12	2—14	2— 16	2— 18
3— 6	3— 9	3—12	3—15	3—18	3—21	3— 24	3— 27
4— 8	4—12	4—16	4—20	4—24	4—28	4— 32	4— 36
5—10	5—15	5—20	5—25	5—30	5—35	5— 40	5— 45
6—12	6—18	6—24	6—30	6—36	6—42	6— 48	6— 54
7—14	7—21	7—28	7—35	7—42	7—49	7— 56	7— 63
8—16	8—24	8—32	8—40	8—48	8—56	8— 64	8— 72
9—18	9—27	9—36	9—45	9—54	9—63	9— 72	9— 81
10—20	10—30	10—40	10—50	10—60	10—70	10— 80	10— 90
11—22	11—33	11—44	11—55	11— 66	11—77	11— 88	11— 99
12—24	12—36	12—48	12—60	12—72	12—84	12— 96	12—108
13—26	13—39	13—52	13—65	13—78	13—91	13—104	13—117
14—28	14—42	14—56	14—70	14—84	14—98	14—112	14—126
15—30	15—45	15—60	15—75	15—90	15—105	15—120	15—135
16—32	16—48	16—64	16—80	16—96	16—112	16—128	16—144

10	11	12	13	14	15	16
1— 10	1— 11	1— 12	1— 13	1— 14	1— 15	1— 16
2— 20	2— 22	2— 24	2— 26	2— 28	2— 30	2— 32
3— 30	3— 33	3— 36	3— 39	3— 42	3— 45	3— 48
4— 40	4— 44	4— 48	4— 52	4— 56	4— 60	4— 64
5— 50	5— 55	5— 60	5— 65	5— 70	5— 75	5— 80
6— 60	6— 66	6— 72	6— 78	6— 84	6— 90	6— 96
7— 70	7— 77	7— 84	7— 91	7— 98	7—105	7—112
8— 80	8— 88	8— 96	8—104	8—112	8—120	8—128
9— 90	9— 99	9—108	9—117	9—126	9—135	9—144
10—100	10—110	10—120	10—130	10—140	10—150	10— 60
11—110	11—121	11—132	11—143	11—154	11—165	11—176
12—120	12—132	12—144	12—156	12—168	12—180	12—192
13—130	13—143	13—156	13—169	13—182	13—195	13—208
14—140	14—154	14—168	14—182	14—196	14—210	14—224
15—150	15—165	15—180	15—195	15—210	15—225	15—240
16—160	16—176	16—192	16—208	16—224	16—240	16—256

TIHTUR 3

A

Puntir rawh —

1	8×4	12	12×5	23	39× 9
2.	11×5	13	16×8	24	73× 8
3	8×6	14	22×4	25	25× 5
4	9×7	15	32×3	26	26× 6
5	12×3	16.	36×2	27	22×14
6	13×2	17.	38×3	28	34× 4
7	14×2	18	23×2	29	95× 5
8.	16×6	19	33×2	30	68× 5
9.	12×8	20	28×2	31	78× 6
10.	14×7	21	43×3	32.	85× 3
11.	13×6	22.	56×7	33	69× 4

AW

Number kim lo hi dah khat rawh :—

1.	7×. . =14	8.	... ×5 =35
2.	6×... =30	9.	9 = 9× . .
3.	8× = 0	10.	4× . =24
4.	5× . =20	11.	7× . =35
5.	45= 5× .	12	5= × 5
6.	7× ...= 7	13.	8× =40
7.	8×... =24	14.	6× =18

15	7 + 28	28	8 × = 64
16	30 = 5 ×	29	10 = 5 ×
17	0 = 7 ×	30	81 = 9 × 9
18	6 × = 54	31	6 × = 36
19	7 × = 14	32	8 × = 32
20	8 = 8 ×	33	9 × = 54
21	8 × = 16	34	4 × = 32
22	5 × = 40	35	7 × = 49
23	7 × = 63	36	56 = 8 ×
24	48 = 6 ×	37	12 = × 6
25	18 = × 9	38	72 = × 8
26	7 × = 42	39	8 × = 48
27	× 4 = 28	40	× 9 = 45

B

1 Pariat hi pangain puntir rawh.

2. 11 hi 5-in puntir raw'.

3 Siwm leh pahnih pariata puntir chhuak chu engzâtnge ?

4 7 hi ka puntîr a, a chhuak chu 21 a ni. Engnnge ka pnutîr ?

5 Sawmli leh panga hi 4-in puntîr rawh

6 8 hi 3-in puntîr la, a chhuak chu pahnihin puntîr rawh

7. 6 hi 5-in puntîr la, chu chu pathumin puntîr leh rawh.

8 Sawmhnih leh pariat l i palin puntîr rawh

9 42 hi 6-in ka puntîr a, a chhuak chu eng zâtr.ge ?

10. 9 hi engin emaw ka puntîr a, a chhuak chu 45 a ni a, eng number-in nge ka puntîr?

11 Sawmkua leh pahnih hi parukin puntîr rawh.

12. Eng number emaw 4-in ka puntîr a, a chhuak chu 24 a ni a, chu number chu engnge ni ?

BUNG IV.

SEM

Entirna — Puntirna ar g bawk khân, sem thiam tak tak tûr chuan puntîr hmun thiam phawt a tûl a ni Sem hi puntîr dân nên a inletling hlauh thur g a ni Thil engemawtia tam inzât theuhva hmun engemaw zâta sem rual theih dân a ni.

Hetiangin —

$$\frac{758 - 3}{252 \text{ leh a chuang } 2}$$

Semah chuan a vei lam tâwp atanga sem tan tûr a ni Semtu 3 khian 7 khî kan han sem tan phawt a, a sem tâwk chiah lo va, mahse a hmun dik teuh ber kan zawng a, chu chu 2 a ni. Pathum (3) hmun hnih chu 6 a ni a, tichuan 7 atangin 6 kan paih a, (7—6 = 1) pakhat a lo chuang a, chu chu (3) pathum chuan a sem tham tawh lo va, 7 ding lam panga 5 chu kan la thla a, 15 a lo ni a Chu chu 3 hmun 5 chiah a ni

a, 3 hmun 5 chu 15 a nih chiah avângin a chuang a awm lo va, 5 ding lam pang 8 khi kau la leh ang a, kan sem leh ang. Figure pakhat aia tam lâk lo ngai ta sela, kan sem hma hauh pawhin figure pakhat aia tam kan lâk zât ang ang kha 0 (bial) dah phawt a ngai a ni 8 chu 3 chuan a sem tâwk chiah lo va, a ting teuh ber kan zawng ang a, chu chu a hmun 2 a ni a, 3 hmun 2 chu 6 a ni a Tichuan (8—6 =2) 2 a chuang ta a, chu mi chuang chu a sem tham tawh lo va, ding lam pargah, a chhânna hmâwrah, a semtu chungah kan dah thîn a ni, entîrna ang khian

Sem hi paih tihtawina a ni kan ti thei bawk ang Entîrna ang khian 758 hi 3-a sem tûr, tih chu, a awmzia chu 758 ah khan 3 hi vawi eng zâtnge paih chhuah theih, tihna ang a ni

Hriatreng tûr — Fem tih hi a semtuin a sem tûra sem ral tâwk lo sela, a sem thei teuh ber zawng tûrin, a sem tûr aun a tlêm zâwk ngei tûr a ni.

Fraction an la zir loh avângin a chuang rêng rêng pawh fraction-in dah loh tûr a ni. A chuang a awm pawhin entîrna ang khian dahtîr mai tûr a ni. (Fraction a dah dân rêng rêng khian tihtî tûr a ni rih lo.)

TIHTUR 4.

A

1	12—4	10	22—2	19	84-7
2	21-7	11	46—2	20	88-8
3	15—5	12	33—3	21	96-8
4	42-6	13	84—1	22.	364-2
5	24-8	14	76—4	23	633-3
6	54-9	15	75-5	24	884—4
7	12—1	16	72—6	25	152-2
8	18-3	17	91—7	26	136—4
0	27-3	18	72-9	27	565-5

AW

Number kim lo li dah khet rawh —

1	6	=2	11	48—	=6
2.	14- .	=2	12	56—	=8
3	12—	=6	13	28— .	=7
4	—4	=3	14	54—	=6
5	35— .	=5	15	..—6	=4
6.	36—	=9	16	—7	=3
7.	—5	=3	17.	81—	=9
8	—9	=3	13	49— .	=7
9	14—	=0	19.	63—	=9
10.	81— .	=9	20.	72— .	=0

B

Sem rawh :—

1.	36—4	14.	196—4	27	112—7
2.	45—5	15.	370—5	28	110—5
3.	996÷3	16	300—6	29	104—8
4.	81—5	17	675—5	30	176—4
5.	245—5	18,	1010—2	31.	115—5
6.	342÷5	19	8401—6	32	119—7
7.	108÷6	20	1688—8	33.	168—12
8.	294÷6	21	136—4	34.	160—16
9.	1000÷2	22	138—6	35	1648÷16
10.	1000÷4	23	132÷4	36.	1848—12
11.	300÷5	24.	136- 8	37	1834÷13
12.	162÷4	25.	165—5	38	1898—13
13.	40÷5	26.	192÷6	39.	840÷14

CII

1. 396 hi 3-in sem rawh.
2. 248 hi 4-in sem ila, engzâtnge chhuak ang ?
3. Za leh sawmnga leh panga hi pangain sem ila, engzâtnge chhuak ang ?
4. Zanga leh sawmthum leh panga hi pangain sem rawh.
5. Zasarih leh sâwm leh pali hi pasarihin sem rawh
6. Zathum leh sawmhnih leh pariat hi pariatin sem rawh
7. Parukin 726 hi sem ila, engzâtnge chhuak ang ?
8. 369 hi 9-in sem rawh.
9. Zali leh sawmnga leh pakua hi pakuain sem rawh
10. Pathumin sângkhat leh zathum leh sawmhnih leh paruk sem rawh
11. Sângkhat leh zaruk leh sawmthum leh pahnih hi sâwm leh parukin sem rawh.
12. Sâwm leh pathumin sângkhat leh zathum leh sawmhnih leh paruk sem rawh.

BUNG V

(Tihtûr har deuh zâwk)

TIHTUR 5

A

Eeih rawh :—

1. 102	2. 55	3 47	4. 406
18	171	189	97
33	42	230	575
106	95	5	34
5. 38	6. 527	7. 309	8 35
24	3	5	6
739	90	26	60
6	986	482	831
209	448	5	
9 4	10. 80	11. 111	12. 239
5	270	222	254
453	7	333	207
277	52	444	23
	706	555	5

AW

Paih rawh .—

1	547— 204	6	5376—2077
2	8674—3578	7	8949—3557
3	8974—3507	8	6602—9566
4	896 - 350	9.	45064—7976
5.	6475—3246	10	8000— 376

B

Puntir rawh —

1. 86×5	8. 41×8	15. 384×13
2. 57×4	9. 53×9	16. 7082×10
3. 95×3	10. 78×8	17. 380×12
4. 89×4	11. 145×12	18. 157×14
5. 67×3	12. 377×11	19. 580×16
6. 37×6	13. 120×16	20. 325×15
7. 39×7	14. 242×15	21. 1780×12

CII

Sem rawh :—

1. 48−2	8. 630− 3	15. 294−14
2. 63÷3	9. 432− 8	16. 360÷15
3. 56−4	10. 711− 9	17. 1494÷ 6
4. 75÷5	11. 372−12	18. 1188÷ 9
5. 84÷6	12. 800−16	19. 1256÷ 8
6. 182−7	13. 567− 9	20. 1277÷ 7
7. 264÷8	14. 944÷ 8	21. 1380÷ 5

BUNG VI.

TIHTUR 6. (Tiarêng)

1 A thuin ziak rawh 15, 24, 105, 98 146, 196, 120

2. 25, 124, 101, 161 hi belh rawh

3 Figure-in ziak rawh —
(1) Sawmsarih leh pahnih.
(2) Za leh sâwm leh pakua.
(3) Zahnih leh sâwm leh panga.
(4) Za leh pasarih.
(5) Zahnih leh sawmthum leh pali.

4 675 atangin sawmkua leh pariat paih rawh.

5 384 hi 16-in sem rawh.

6. Zahnih leh sawmli leh panga hi pasarihin sem rawh.

7 638-ah hian 299 paih ila, engzâtnge la bâng ang ?

8 124 hi 15-in puntir rawh

9 Zahnih leh sawmthum leh pasarih hi 12-in puntir rawh.

10 Sângkhat leh zathum leh sawmthum leh pakua hi 13-in sem rawh.

INDIA TANGKA

Chêng	1 =	100	Naia paise	(nP)
Duli	1 =	50	,,	,,
Sikı	1 =	25	,,	,,
		10	,,	,,
		5	,,	,,
		2	,,	,,
		1	,,	,,

BUNG VII

TANGKA BELH

Entirna :— Rs. nP.

5 64
14 36
20· 22

40 22

Naya paise 100 zêl kha Re. 1 a ni mai a, chuvângin Rs leh nP thlûr hnihin a kal dâwn a, 100 (za) a tlin veleh chêng a lo ni mai zêl ang.

NP "pa" hmuna mi khi kan belh a, 4+6+2 =12 a ni a 1 kan kalpui a, "pa" hmunah 2 kan dah a. nP "sawm" hmuna mi kan belh leh a, 6+3+2 =11 a lo ni a, kalpui 1 nên 11+1 =12 a lo ni a Tin, 2 kha kan dah a, 1 kha chêng hmunah kan kalpui leh ta a ni.

Paibah leh semah pawh hetiang zêl hian a zabi chin chauh khân then zêl a ni ang.

TIHTUR

Belh rawh :— A

	np		np.		np		np.
1.	16	2.	18	3.	17	4.	26
	13		21		33		15
5.	19	6.	18	7.	36	8.	10
	23		24		26		24
9.	18	10.	10	11.	11	12.	11
	26		18		25		28

AW

	np.		np		np
1	62 36	2	25 54	3	23 65
4	77 23	5.	39 54	6	25 59
	Rs np.		Rs np		Rs np
7.	10· 17 6 18	8.	12 25 5 18	9.	15· 26 10· 33
10.	16 19 22 44	11	13 16 4 27	12.	9· 10 4 06

B

1.	13· 54 26· 41 23 21	5.	10 86 6 91 2 60	9.	1 86 2 73 1 23
2	25 16 34 23 62· 30	6	2· 11 7 28 2 33	10	1 46 2 36 1 23
3.	16· 10 33 06 27 26	7.	29 31 18· 09 43 33	11.	2 22 3 15 1 35
4.	2· 42 3 20 6 46	8	1 36 2· 24 2 02	12.	2 15 1 35 2 25

BUNG VIII

TANGKA PAIH

Entîrna —

Paih rawh Rs. 24·15—Rs. 12 27

Rs.	np.
24·	15—
12	27
11·	88

5 nP atang hian 7 a paih theih loh avângin nP sâwm hmuna mi hi 1 (sawmkhat) kan pûk a. Tichuan 15 atanga 7 kan paih chuan 8 a la awm a, 8 hi kan dah a NP sâwm hmun atangin 1 kan lâk tawh avângin nP 0 hmun aṭangin 2 nP paih tûr a ni a 0 aṭangin kan paih theih loh avângin chêng hmuna mi 10 kan pûk a. Tichuan 10 aṭanga 2 paih (10 -2) chuan a bâng chu 8 a ni a. Tichuan 8 hi kan dah ang Chutiang zêlin chêng hmuna 4 ami 1 kan pûk tawh avângin, 3 aṭanga 2 paih chu 1 a ni a. Tin, 2 atanga 1 kan paih chuan 1 a la awm ang.

Tichuan a pum puia paih chhuak zawng chu Rs. 11· 88nP. a ni.

Tih dân dang :—

NP. 15 atangin nP. 27 paih theih a nih loh avângin chêng hmuna mi 1 kan pûk ang a, chu chu 100 nP a lo ni.

Tichuan nP. (100+15) =115 atangin 27 kan paih a, a chhuak chu 88 a ni. Tin, Rs 4 atang khân 1 kan pûk tawh avângin 3 atang hian 2 kan paih chuan 1 a ni a. Tin, Rs. 2 atanga 1 kan paih chuan 1 a la bâng leh a ni.

Tichuan a pum puia paih chhuak chu Rs. 11 88 nP. a ni. Chutiang zêlin—

TIHTUR 8.

A

Paih rawh :— (Rilru chhiarkawpa tih hmasak tûr)

	np.		np.		np.		np
1.	6 3	2.	7 4	3.	9 2	4.	10 8
	np.		np.		np.		np.
5.	11 8	6.	16 5	7.	12 4	8	13 7
	np.		np.		np.		np.
9	21 12	10.	32 25	11.	35 27	12	54 45
	np.		np.		np.		np
13.	46 37	14.	75 57	15.	66 59	16.	87 69
	np.		np.		np.		np
17.	95 38	18.	78 69	19.	95 89	20.	97 79
	np.		np.		np.		np.
21.	88 69	22.	68 59	23.	98 89	24.	93 27
	np.		np.		np.		np
25.	97 29	26.	83 39	27.	78 59	28.	91 89

I W

Paih rawh :—

1.	Rs.	nP.	2.	Rs.	nP.	3.	Rs.	nP.
	16·	25		35	44		42·	32
	14	36		27·	34		33·	16
4.	Rs	nP	5	Rs.	nP.	6.	Rs.	nP
	35·	72		56·	72		65	37
	24·	80		37·	09		58	19
7.	Rs.	nP.	8.	Rs	nP.	9.	Rs.	nP.
	75.	16		67	43		81·	93
	70·	25		65	08		18	39
10	Rs.	nP.	11.	Rs.	nP.	12.	Rs	nP.
	125·	42		105	13		92·	33
	74	26		25·	09		16	75
13.	Rs.	nP.	14.	Rs.	nP.	15.	Rs	nP
	214	32		226	34		186·	32
	45	26		108	27		174·	25
16.	Rs.	nP	17.	Rs	nP.	18	Rs.	nP.
	354	27		286	19		345	77
	351·	18		158	10		150·	29
19.	Rs.	nP.	20.	Rs	nP.	21.	Rs.	nP.
	542·	27		455·	35		516·	37
	506·	19		447	26		309·	99

BUNG IX.

TANGKA PUNTÎR

Entirna Puntir rawh :— Rs 125·72×6

Rs nP
125 72×6
754·32

NP. 2 hi 6-a puntir chuan 12 a ni a 2 kha pa hmunah kan dah a, 1 kan kalpui a. 7 hi 6-a kan puntir chuan 42 a ni a, kalpui nên 43 a ni. 3 hi kan dah a, 4 (sawmli) hi chêng hmunah kan kalpui a.

Rs 5 kha 6-a kan puntir chuan 30 a ni a, kalpui nên 34. 4 kha kan dah a, 3 kan kalpui a Tichuan 2 kha 6-a kan puntir chuan 12 a ni a, kalpui nên 15 a lo ni. 5 kan dah a, 1 kan kalpui a. Tichuan 1 kha 6-a kan puntir chuan 6 a ni a, kalpui nên 7 a lo ni.

Tichuan puntir chhuak chu Rs. 754·32 nP. a lo ni. Chutiang zêha.

Chhinchhiah tûr — (1) NP ringawt kha a hranin la ila nP 72 hi 6-a kan puntir chuan— 72×6 =432 a ni Hei hi chêngah kan chantîr chuan 100-in kan sem ang a Tichuan a vawi 4-ah 32 a chuang a, tichuan 32 kha nP hmunah kan dah a, 4 kha chêng hmunah kan kalpui ang

(2) A chhaka mi 72×6 =432nP. khi chênga kan chantîr chuan, za bi chin apiang lâk tûr a ai a Sâwm bi chin zêl chauh khi nP. hmuna kal tûr a ni mai (Hetiangin— 4·32 chu Rs 4 32nP tihna a ni mai)

TIHTUR 9.

A

Puntir rawh .—

1. Rs np. 2 22×4	2. Rs np. 9· 14×5	3. Rs. np. 13· 25×3
4. Rs. np. 12· 25×4	5. Rs. np. 14· 16×8	6. Rs. np 14· 22×5
7. Rs np 11· 18×3	8. Rs. np. 21· 14×7	9. Rs np. 14· 09×8
10 Rs. np 9· 12×7	11. Rs np. 14 15×5	12. Rs. np 18· 12×9
13. Rs. np. 12· 12×8	14. Rs. np. 13· 14×7	15. Rs. np. 14· 11×6
16. Rs. np. 15· 18×5	17. Rs. np. 13· 19×6	18. Rs. np. 15· 16×9

AW

Puntîr rawh :—

1. Rs. np. 14· 16×5	2. Rs. np. 19· 14×6	3. Rs np. 19 24×4
4. Rs. np. 24 12×12	5 Rs. np. 15 14×13	6. Rs.np. 24·12×15
7. Rs np 85 23×11	8 Rs np. 42 24×15	9. Rs np. 54·45×9
10. Rs. np. 64· 32×12	11. Rs. np. 48· 54×13	12. Rs.np. 124·32×16
13. Rs. np. 134· 27×11	14. Rs. np. 146 65×10	15 Rs.np. 176 75×9
16. Rs. np. 116· 74×14	17. Rs. np. 105 27×16	18. Rs.np. 215·74×15

BUNG X.

TANGKA SEM

Entirna :— Sem rawh— Rs 185 52np —12

Rs. np.
12)185· 52
15 46

Sem dân pângngaia sem mai a ni 18 hi ~~23~~ a kan sem chuan, a vawi khatah 6 a chuang a. Tin, 5 khi kan la thla ang a, 65 a lo ni a 12-in a tling teuh ber a vawi 5 a ni a Tin, 5 a chuang leh a, Chêng hmuna mun a daih tâk loh avângin nP. hmuna mi 5 khi kan la leh a, 55 a lo ni a. Chu chu 12-a kan sem chuan a vawi 4-ah 7 a chuang a. Tin, 2 kan la leh a, 72 a lo ni a. Chu chu 12-a kan sem chuan a vawi 6 chiah a ni. Tichuan a sem chhuak chu Rs. 15 46 np. a ni.

Chu chu Rs 185· 52np.÷12 =Rs 15· 46np.

TIHTUR 10

A

Sem rawh —

1. Rs np 4· 8—4	2. Rs np 15· 10—5	3. Rs np 18 12—6
4. Rs np. 24 16—8	5. Rs np 27 45—9	6. Rs np. 33 42—3
7. Rs. np 45· 35—5	8. Rs np 49 77—7	9. Rs np. 88 40—8
10. Rs np 84· 27—7	11. Rs np 96· 32—8	12. Rs np 95· 65—5
13. Rs. np. 128 96—8	14. Rs. np 136 72—9	15. Rs np. 147 91—7
16. Rs. np. 145· 75—5	17. Rs np. 186 96—6	18. Rs. np 198 72—9

AW

Sem rawh —

1. Rs. np.	2. Rs. np.	3. Rs np
96 72÷8	72· 54—9	147 49—7
4. Rs. np.	5 Rs np	6 Rs np
48 96—12	91 78—13	70 84—14
7. Rs np.	8. Rs np	9. Rs np.
90 45—15	125 40—12	119 90—13
10. Rs np.	11 Rs. np	12. Rs np
148· 80—16	133 98—11	244 92—12
13. Rs. np.	14. Rs. np.	15. Rs.np.
125 25—15	118 86—14	182 25—15
16. Rs. np.	17. Rs. np.	18. Rs.np.
192· 96÷16	294 56÷14	289 60—16

THTUR 11

1 Rs 22 44np leh Rs 12 38np hi belh rawh.

2. Chêng sawmthum leh pali leh nP sawmnga leh chêng sâwm leh paruk leh nP sawmnga leh pahnih hi belh rawh.

3. Rs 142 18np aṭang hian Rs 140 28np paih rawh

4 Chêng sawmriat leh nP sawmriat aṭang hian chêng sawmsarih leh nP sawmkua paih rawh

5 Rs. 72 15np aṭang hian chêng sawmnga leh panga leh nP 25 paih rawh

6 Rs 115 15np hi parukin puntîr rawh

7 Puntîr rawh, Rs 76 45np × 12

8 Sâwm leh parukin chêng sawmhnih leh panga leh nP sawmthum leh pahnih puntîr rawh

9 7-in Rs 224 91np hi sem rawh

10 Rs 185 76np hi pariatin sem rawh

11 Sâwm leh pali-in chêng za leh sâwm leh pariat leh nP sâwmriat leh paruk hi sem rawh.

12 Rs 156 45np hi Rs. 150 75 ai hian engzatin nge a tam ?

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